PROJECT TITLE : Pilot Plant Operations

PERIOD COVERED : September 27th - October 31st, 1980

WRITTEN BY : N. Lüthi

---

1. EQUIPMENT

1.1. Liquor clean-up

We experienced some clogging problems with the rented disk centrifuge. The piping was modified in order to pass through the existing basket filter before entering the centrifuge for the final clean-up.

1.2. Dryer

Some problems were observed with the burners of one of the two brackets. The flames died out frequently.
After having changed the regulating device no more burner failures were noticed.

1.3. V-Shape-Extractor

The cardan of the extractor broke down on October 28th.
With the assistance of the FTR workshop it was repaired and the fermenter was cooled down for about 5 hours.

1.4. Sterilization and pasteurization line of the extract

Again some clogging problems were observed in the sterilization as well as in the pasteurization line of the extract.
After having modified the piping for the extract flow of the clean-up system no other cloggings occured.

1.5. Fermenter

The automatic antifoam injection system continues to show bad performance from time to time. It has to be supervised.

1.6. Centrifuge for NINOMASS separation

The repaired motor of the centrifuge arrived on October 2nd. Since then the centrifuge is working well. However it is periodically checked by the FTR electrician.

0001143219

Source: https://www.industrydocuments.ucsf.edu/docs/qmml0000

1.7. Rotocell extractor

The purchased extractor arrived on October 29th and was installed.

PROCESS DEVELOPMENT

N. Lüthi

NIL/sde
November 17th, 1980

0001143220

Source: https://www.industrydocuments.ucsf.edu/docs/qmml0000